(PRIOR ART)

Fig. 1
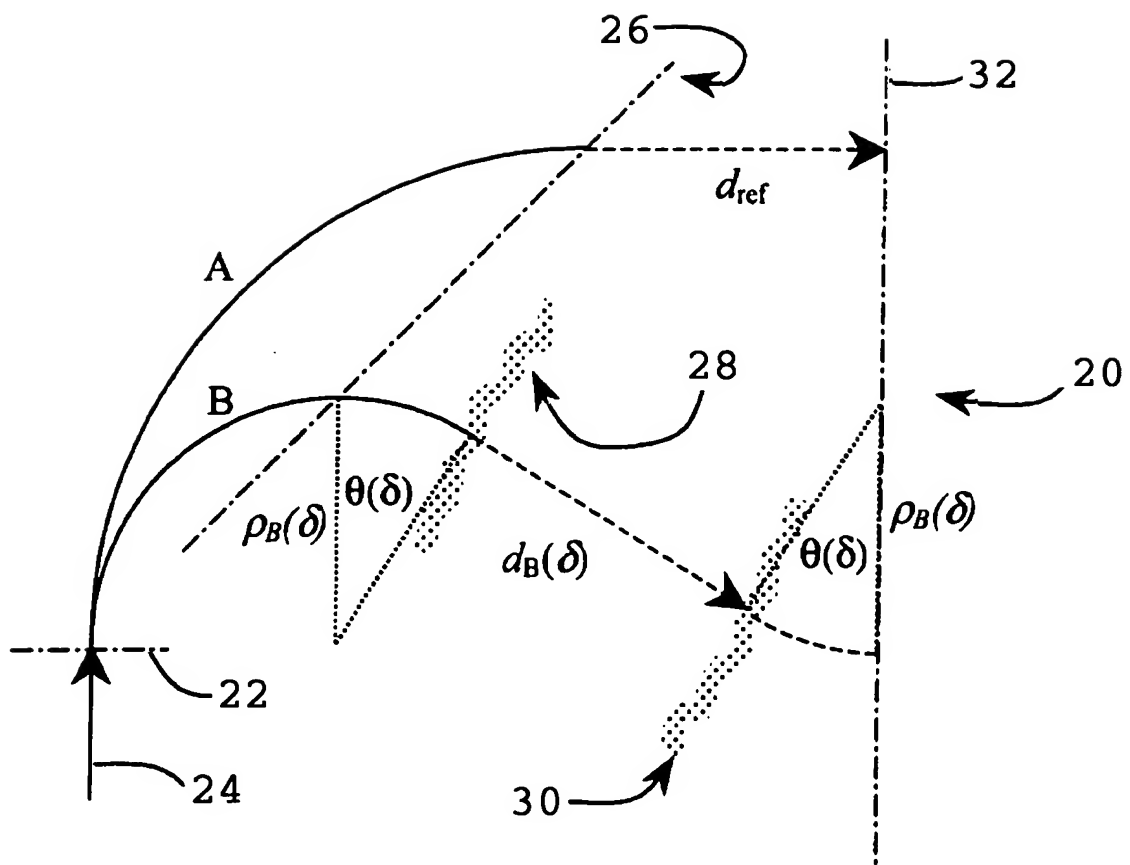
Fig. 2

Figure 3: $M_{56}$ = -0.2 m (appropriate for acceleration at 750 MHz $-20°$ off-crest)

Half-achromat; beams in steps of momentum
equal to 10% of full momentum: 0.1 x full,
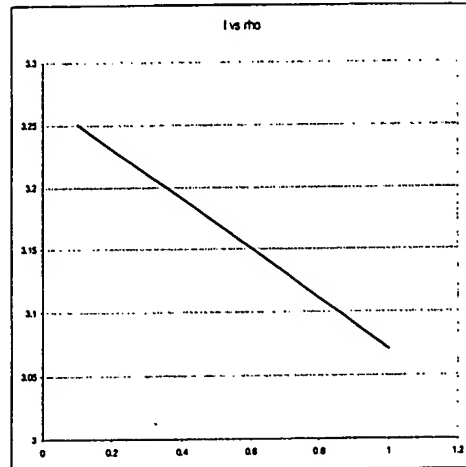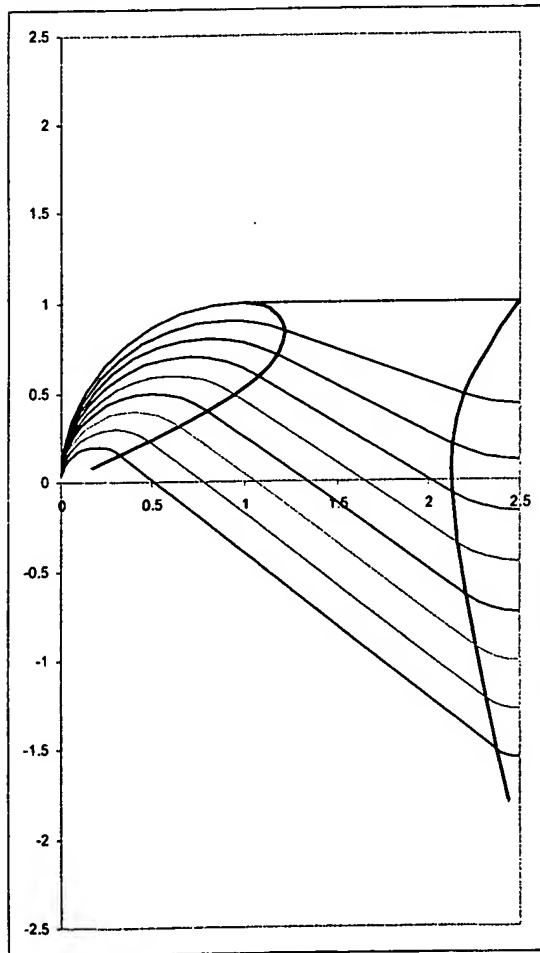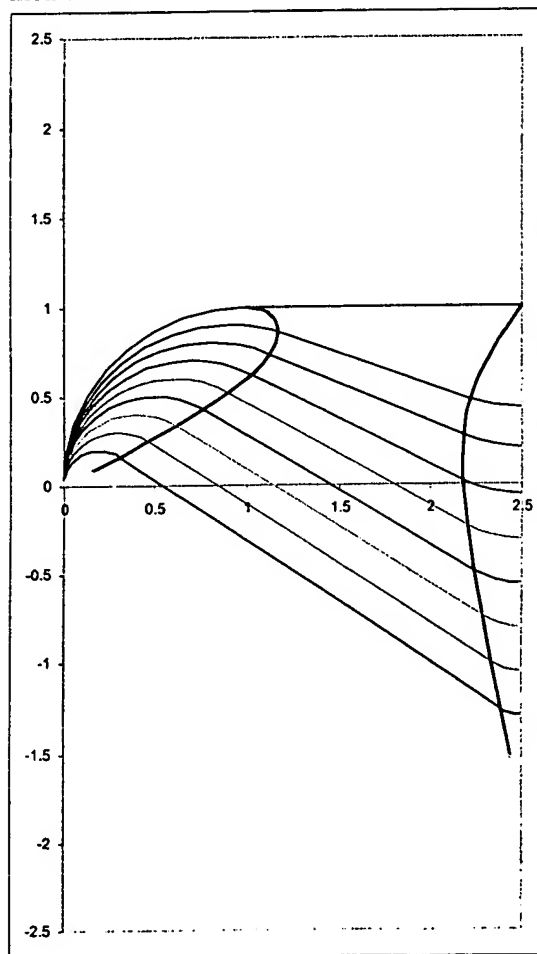0.2 x full, 0.3 x full, …, full

Path length vs. radius (~momentum)

## Figure 4: $M_{56} = 0$ (example of strictly isochronous transport)

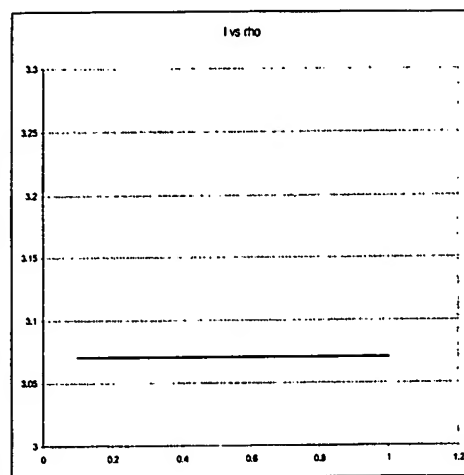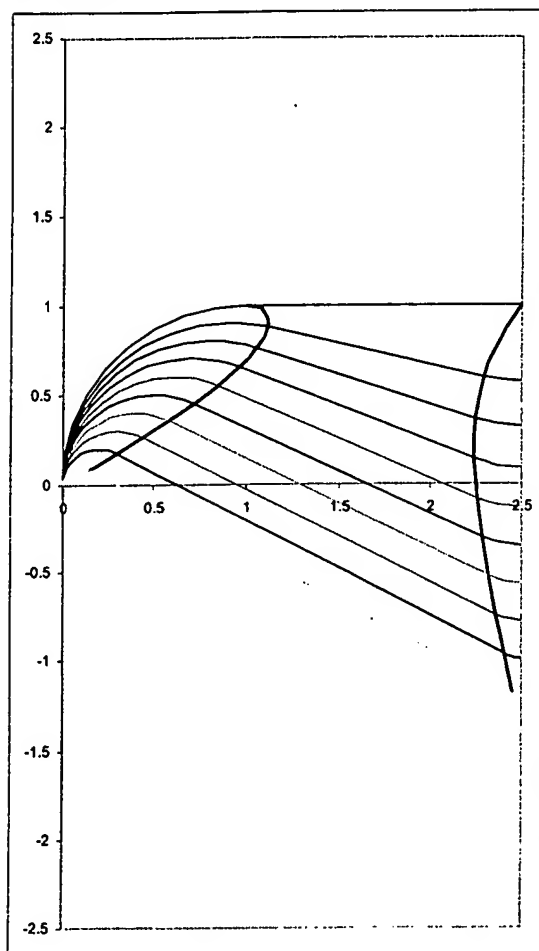Half-achromat; beams again in 10% in momentum

Path length vs. radius (~momentum)

Figure 5: $M_{56} = 0.2$ m (appropriate for energy recovery at 750 MHz when accelerating –
20° off-crest)

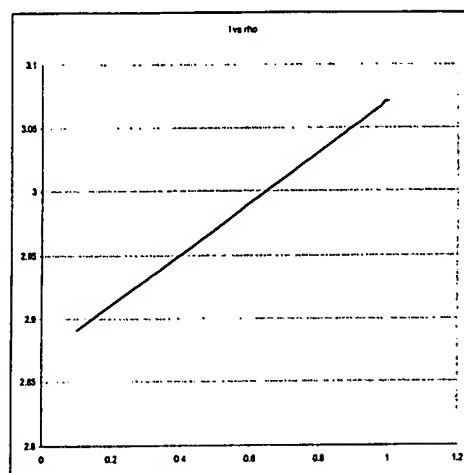Half-achromat; beams again in 10% in
momentum

Path length vs. radius (~momentum)

Figure 6: Conceptual use of CMMBA in an FEL driver ERL